



Articulation Agreement

**Milwaukee Area Technical College (MATC)
Healthcare Pathway
AAS Radiography (10-526-1)**

to

**The Board of Regents of the University of Wisconsin System on behalf of
University of Wisconsin-Milwaukee (UWM)
College of Health Sciences
BS Biomedical Sciences: Diagnostic Imaging Completion**

Effective Date: 07/01/2021

Next Review Date: 07/01/2026

New Agreement

Revised Agreement

Agreement Description and Rationale:

The UWM College of Health Sciences offers a pathway for imaging professionals to build on technical education and previous coursework to earn a bachelor’s degree through the Biomedical Sciences Diagnostic Imaging Completion program. This articulation agreement clarifies the credits taken within the MATC imaging programs, block credits applied, and curriculum required to complete the bachelor’s degree program at UWM. To accommodate the working professional, courses can be completed through online course delivery or in the self-paced UW Flexible Option program.

Admission Requirements/Conditions:

Students must meet all standard UWM admissions requirements to be eligible for participation in this agreement. Information on transfer admissions requirements may be found at transfer.uwm.edu.

In addition, the following conditions will apply:

- This interdisciplinary degree completion program in Diagnostic Imaging is open to professionals holding an active registry from ARRT, ARDMS, CCI, or equivalent professional imaging registry. AAS degree completion is not required for admission.

Articulation Transfer Agreement Terms:

The terms of this agreement apply to MATC students who successfully complete the AAS in Radiography, meet the conditions set forth herein for UWM’s College of Health Sciences, and enroll in the BS in BMS: Diagnostic Imaging Completion.

The Radiography AAS will transfer to UWM’s Diagnostic Imaging Completion BS in accordance with the following:

- The MATC AAS in Radiography must be posted on an official transcript in order for this agreement to be applied.
 - Students actively enrolled in the AAS degree and expecting to complete it prior to enrollment may be admitted under the general terms of this agreement, pending receipt of a final, degree-bearing transcript.
 - Without associate degree completion, course-by-course transfer rules will apply and block credit transferred if applicable in accordance with College of Health Sciences policy.
- A minimum of 62 credits earned toward the AAS degree will transfer as stipulated in Appendix A.
- Course equivalencies specified in this articulation agreement are subject to change in the event that either curriculum for the AAS degree or BS in Diagnostic Imaging Completion program undergoes revision.
- Applicants with the required credentials are awarded at least 30 block credits plus natural transfer credits equaling a minimum of 60 and a maximum of 72. (A maximum of 72-semester credits earned at associate degree/2-year institutions can be accepted in transfer. There is no maximum number of semester credits that can transfer from a 4-year university).

All credits applied to associate degree requirements, including credits accepted in transfer or awarded through prior learning assessment, will be recognized by UWM and transfer as applied by the associate degree-awarding institution.

Program-to-program transfer courses/credits are accepted only for the UWM program/degree specified in this agreement. A change of major/degree/program may invalidate these courses/credits for transfer unless they are approved within some other transfer agreement for a different major/degree/program at UWM.

Coursework taken in addition to what is required for the associate degree will be evaluated on a course-by-course basis and transferred in accordance with routine UWM transfer policy. A maximum of 72 credits can be transferred from MATC to UWM. Information on the transferability of specific, non-articulating courses may be found in Transferology (www.transferology.com) or UWM's Transfer Equivalency Database (TED) (ted.uwm.edu). For UWM General Education Requirement (GER) transfer equivalencies, refer to Appendix B.

Graduation Requirements/Policies:

In addition to meeting all General Education and major requirements, students must satisfy the following to receive the Diagnostic Imaging Completion BS at UWM:

- A minimum of 120 credits is required to complete the bachelor's degree, including all required courses.
- The final 30 credits must be completed at UWM.
- Students with GER requirements or those planning application to specific professional graduate programs may need to complete more credits.
- Coursework may be completed online or in a flexible, competency-based format.
- A cumulative UWM GPA of 2.5 is required.

A transfer course/credit articulation table showing how the Radiography AAS from MATC transfers to UWM's BS in Diagnostic Imaging Completion appears in Appendix A. Some coursework may be combined to meet requirements within the Diagnostic Imaging Completion BS. Also, some courses that ordinarily do not transfer may do so under the terms of this agreement. Without associate degree completion, some coursework/equivalencies outlined in this agreement may not transfer as indicated.

Institutional Commitment:

This agreement is based on curricula in place for the 2020-21 academic year (see Appendix C). The terms of this agreement may be applied to degrees completed prior to 2021 upon individual review to ensure consistency in the curriculum. This agreement is valid for a period of five years. Both MATC and UWM agree to provide periodic updates in the instance that requirements for either of the programs change. At the end of the effective period, the terms of the agreement will be reviewed, updated as necessary, and continued if agreed upon by both parties.

In the instance either school wishes to end the agreement, 180-day advanced notice is required. Any students who have applied, been admitted, and/or have matriculated while the agreement was active will be allowed to continue under its original terms.

MATC and UWM will make the terms of this agreement public and may develop marketing materials for its promotion. Each institution will provide advising as appropriate to interested students regarding this agreement. The two institutions agree to provide information necessary to aid in the successful transfer of these students and their academic credits.

Both institutions reserve the right to review and approve marketing materials created for the promotion of this agreement and will adhere to stated standards for the use of their respective names and logos. Furthermore, each institution assumes responsibility for communicating and marketing this agreement to its student population. Links to this agreement may be provided and should be maintained regularly, with notification to the other institution.

Appendix A: Program-to-Program Transfer Table

Milwaukee Area Technical College (MATC)
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The following table outlines a typical transfer scenario, showing how the associate degree curriculum applies to the bachelor's degree and which requirements remain to complete at UWM. To maximize credit transfer, some substitutions may be identified. While every effort is made to maximize credit transfer, lack of alignment between degree programs and levels of instruction may require students to exceed 120 credits to meet all graduation requirements. Transfer results will differ based on individual students' transcripts.

Degree Requirement	MATC Coursework	Cr	UWM Coursework	Cr
GER Requirements	See Appendix B for additional MATC courses that can fulfill GERs			
Oral and Written Comm-Part A	Met w/ C or better in ENG-197 below	--		
Oral and Written Comm-Part B	ENG-197 Tech Reporting (see major)	--	ENGLISH 206	
Quantitative Literacy-Part A			MATH 105 (or other QLA course)	3
Quantitative Literacy-Part B			KIN 270 (see major)	--
Foreign Language			2 years HS (or 2 semesters college)	--
Art			Various options	3
Humanities (6 credits)			Various options	3
			Various options	3
Natural Science (6 credits)			BMS 205 (see major)	--
(including one lab)	BIOSCI-177 Gen Anatomy & Physiology	4		
Social Science (6 credits)	PSYCH-199 Psych of Human Relations	3		
			BMS 245 (see major)	--
Cultural Diversity			Met by BMS 245	--
Major: Prerequisites				
Healthcare Delivery in the US			HS 102	3
Intro to Diagnostic Medicine			BMS 205	3
Technical or Health Sci Writing	ENG-197 Technical Reporting	3	ENGLISH 206 or 207	
Lead Healthcare Professionals			HCA 220	3
Stats in the Health Professions			KIN 270 (or other stats equivalent)	3
Client Diversity in Health Sci			BMS 245	3
Major: Adv Health Sci/Imaging				
Human Pathophysiology: Fund			BMS 301	1
Human Patho: Organ Systems I			BMS 302	1
Human Patho: Organ Systems II			BMS 303	1
Human Patho: Organ Sys III			BMS 304	1
Human Patho: Organ Sys IV			BMS 305	1
Law & Ethics for HC Prof			HS 311	3
Ethics & Values in Hlth & Fitness Professions			KIN 400	3
Sem in Adv Medical Imaging			DMI 458	3
Sem in Educ & Mgt in Medical Imaging			DMI 463	3
Professional Growth & Career			DMI 496	3

Advancement in DMI Profession				
Info Mgt & Healthcare Tech			UWS NSG 453	3
General Electives				
	ENG-195 Written Communication	3	ENGLISH 101	
	SOCSCI-103 Think Critically/Creatively	3		
	Bulk Transfer of RADT courses	46		
			General Electives	8
TOTAL CREDITS	*Recommended substitution.	62		58

Appendix B: University General Education Requirements (GER)

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General Education Requirements (GER) give structure to each student’s education while providing the student the greatest possible freedom to design an individual academic program. These requirements include two major categories: **competency and distribution.**

Competency requirements are designed to assure proficiency in oral and written communication (OWC Parts A & B), quantitative literacy (QL Parts A & B), & foreign languages.

Distribution requirements are designed to provide students with a broad body of knowledge in the areas of the arts, humanities, natural sciences, and social sciences as a foundation for specialization.

The table below outlines the University of Wisconsin-Milwaukee’s GER requirements. Note that College of Letters and Science majors must complete GER coursework beyond what is listed here. Some programs/majors will require specific coursework for certain competency and distribution requirements. Consult with an advisor early in your academic career to ensure that you choose the best coursework for your intended program of study.

GER Category	Min. Credits	Fulfilled by
Competency Requirements		
OWC-A	0-3	1. C or higher in ENGLISH 102 or equivalent 2. An appropriate placement score or recognized test credit
OWC-B	3	An approved advanced course with a significant written or oral communication component.
QL-A	0-3	1. C or higher on approved math coursework at UWM or in transfer 2. An appropriate placement score or recognized test credit
QL-B	3	An approved course as determined by the major. QL Part B courses make significant use of quantitative tools in the context of other course material.
Foreign Language	0-6	1. Successfully passing two consecutive years of high school-level instruction in a single foreign language, 2. Successfully passing two consecutive semesters of college-level instruction in a single foreign language, or 3. Demonstrating foreign language ability equivalent to two semesters of a single foreign language by earning a satisfactory score on an approved placement, proficiency, departmental, or other examination.
Distribution Requirements		
Arts	3	A course in history, philosophy, theory, or practice of the creative and interpretive arts.
Humanities	6	Two courses that address questions, issues, and concepts basic to the formation of character and the establishment of values in a human context. Common subject areas include art history, history, language

		and literature, philosophy, religious studies, and film and media studies.
Natural Sciences	6	At least two courses; one must include laboratory or field experience illustrating the generation and testing of data and the application of concepts and knowledge to the solution of problems.
Social Sciences	6	Two courses dealing with the study of human behavior, human cultural and physical variation and evolution, and the organization, development, and consequences of human activity, both past and present.
Cultural Diversity	0-3	As part of the distribution requirements, one course must pertain to the study of the life experiences of African Americans, Latino/Hispanic Americans, American Indians, or Asian Americans.

Milwaukee Area Technical College GER Transfer Courses

The following list can be consulted to find MATC courses that meet UWM GER requirements. This list is not meant to be exhaustive. There may be additional MATC courses that are transferrable as GER equivalents. Please consult with an advisor; both Transferology (www.transferology.com) and the Transfer Equivalency Database (TED) (ted.uwm.edu) offer searchable databases that indicate GER status.

Competency—OWC-A:

ENG-202 English 2

Competency—OWC-B:

ENG-197 Technical Reporting

ENG-208 Technical Communications

Competency—QL-A:

MATH-135 Quantitative Reasoning
MATH-197 College Algebra & Trig w/ Apps
MATH-200 Intermediate Algebra

MATH-201 College Algebra
MATH-206 Contemporary Applications of Math
MATH-230 College Algebra & Trig

Competency—QL-B:

BADM-104 Business Statistics
MATH-189 Introductory Statistics

MATH-260 Basic Statistics

Competency—Foreign Language:

College coursework in a foreign language through the second semester.

Distribution—Arts:

ART-201 Understanding Art
ENG-207 Creative Writing

MUSIC-205 Music Appreciation
SPEECH-212 Intro to Theater

Distribution—Humanities:

ENG-213 American Literature to 1865
ENG-214 American Literature since 1865
ENG-215 Contemporary Literature
ENG-218 African-American Literature 1

ENG-219 African-American Literature 2
ENG-220 Native American Literature
ENG-221 Native American Women in Literature
ENG-222 Images of Women in Literature

ENG-223 Afr-Am Lit by/about Black Women
ENG-224 Intro to US Latino Literature
ENG-235 Utopian & Science Fiction Lit
ENG-240 Intro Modern Cinema
HIST-203 Western Civ to Napoleon
HIST-204 Western Civ from Napoleon
HIST-210 Women in American History
HIST-214 African-American History 1

HIST-215 African-American History 2
HIST-228 World History to 1500
HIST-229 World History from 1500
SOCSCI-149 Ethics for Professions
SOCSCI-200 Intro to Ethical Issues
SOCSCI-250 Intro to Philosophy
SPEECH-201 Elements of Speech
SPEECH-206 Intercultural Communications

Distribution—Natural Sciences (+ indicates lab credit):

BIOSCI-177 General Anatomy & Physiology+
BIOSCI-179 Adv Anatomy & Physiology+
BIOSCI-189 Basic Anatomy
BIOSCI-197 Microbiology+
BIOSCI-202 Anatomy & Physiology 2+
BIOSCI-220 Intro to Nutritional Science
BIOSCI-230 Intro to Nutrition Lab+
BIOSCI-236 Principles of Biology+
BIOSCI-257 Biology I+
BIOSCI-258 Biology II+
CHEM-186 Intro Biochemistry+
CHEM-207 General Chemistry+
CHEM-208 Survey of Biochemistry+
CHEM-211 Chemistry 1+
CHEM-212 Chemistry 2+
GEOSCI-232 Earth Science

GEOSCI-233 Environmental Science
GEOSCI-234 Earth Sciences Lab+
GEOSCI-243 Weather Fundamentals
GEOSCI-244 Weather Fundamentals Lab+
GEOSCI-245 General Geology+
GEOSCI-246 Climate Change Fundamentals
HORT-159 Survey of Herbaceous Plants
MATH-205 Finite Mathematics
MATH-231 Analytic Geometry & Calculus 1
PHYS-139 Survey of Physics
PHYS-221 College Physics 1+
PHYS-222 College Physics 2+
PHYS-225 Introductory Astronomy
PHYS-226 Observational Astronomy+
PHYS-274 Calculus-Based Physics 1+
PHYS-275 Calculus-Based Physics 2+

Distribution—Social Sciences:

BADM-134 Intro to Business
ECON-195 Economics
ECON-201 Prin of Microeconomics
ECON-202 Prin of Macroeconomics
ECON-215 Economics of Discrimination
ECON-223 Ecological Economics
HIST-211 America through 1877
HIST-212 America since 1877
HIST-216 History American Minorities
HIST-217 Contemporary Civil Rights
HIST-218 Native American History/Culture
HIST-219 Wisconsin Indians-Past-Present
HIST-231 Latin American History
HIST-236 History of Vietnam War Years
POLICE-900 Intro to Criminal Justice
PSYCH-159 Abnormal Psychology
PSYCH-188 Developmental Psychology
PSYCH-199 Psychology of Human Relations
PSYCH-231 Introductory Psychology
PSYCH-232 Abnormal Psychology
PSYCH-233 Social Psychology

PSYCH-237 Child Psychology
PSYCH-238 Life-Span Psychology
SOCSCI-172 Intro Diversity Studies
SOCSCI-197 Contemporary American Society
SOCSCI-203 Intro Sociology
SOCSCI-204 Marriage & Family
SOCSCI-206 Intro Cultural Anthropology
SOCSCI-207 Intro Criminology
SOCSCI-208 Global Cultures/Politics
SOCSCI-209 Sociology of Religion
SOCSCI-210 Death & Dying
SOCSCI-211 Intro to Women's Studies
SOCSCI-214 Gender & Society
SOCSCI-217 Valuing Diversity
SOCSCI-221 American National Government
SOCSCI-222 American State/Local Government
SOCSCI-236 Juvenile Delinquency
SOCSCI-242 African-American Social Thought
SOCSCI-246 Human Sexuality
SPEECH-203 Interpersonal Communication

Cultural Diversity:

ECON-215 Economics of Discrimination
ENG-218 African-American Literature 1
ENG-219 African-American Literature 2
ENG-220 Native American Literature
ENG-221 Native American Women in Literature
ENG-223 Afr-Am Lit by/about Black Women

ENG-224 Intro to US Latino Literature
HIST-214 African-American History 1
HIST-215 African-American History 2
HIST-218 Native American History/Culture
HIST-219 Wisconsin Indians-Past-Present
SOCSCI-172 Intro Diversity Studies

Appendix C: Sending Institution Curriculum & Transfer Information

Milwaukee Area Technical College (MATC) Healthcare Pathway AAS Radiography (10-526-1)

to

The Board of Regents of the University of Wisconsin System on behalf of University of Wisconsin-Milwaukee (UWM) College of Health Sciences

BS Biomedical Sciences: Diagnostic Imaging Completion

This articulation agreement is based on the following curriculum offered at MATC as presented in its 2020-21 academic catalog. Common transfer equivalencies are shown as well, indicating how individual courses will transfer from MATC to UWM without AAS degree completion.

MATC Curriculum	Cr	Standard UWM Equivalencies
RADT-149 Radiographic Procedures 1	5	TRAN-FRE X (general elective credit)
RADT-158 Introduction to Radiography	3	TRAN-FRE X
RADT-159 Radiographic Imaging	3	TRAN-FRE X
RADT-168 Radiography Clinical 1	2	TRAN-FRE X
RADT-191 Radiographic Procedures 2	5	TRAN-FRE X
RADT-192 Radiography Clinical 2	3	TRAN-FRE X
RADT-230 Advanced Radiographic Imaging	2	TRAN-FRE X
RADT-189 Radiographic Pathology	1	TRAN-FRE X
RADT-193 Radiography Clinical 3	3	TRAN-FRE X
RADT-194 Imaging Equipment Operation	3	TRAN-FRE X
RADT-199 Radiography Clinical 4	3	TRAN-FRE X
RADT-231 Imaging Modalities	2	TRAN-FRE X
RADT-174 ARRT Certification Seminar	2	TRAN-FRE X
RADT-190 Radiography Clinical 5	2	TRAN-FRE X
RADT-195 Radiographic Quality Analysis	2	TRAN-FRE X
RADT-197 Radiation Protection and Biology	3	TRAN-FRE X
RADT-198 Radiography Clinical 6	2	TRAN-FRE X
ENG-195 Written Communication or ENG-201 English 1	3	ENGLISH 101
BIOSCI-177 General Anatomy & Physiology or BIOSCI-201 Anatomy & Physiology 1 & BIOSCI-202 Anatomy & Physiology 2	4-8	BIO SCI XN+ (Biological Sci elective/natural sci lab GER) BIO SCI 202 BIO SCI 203
ENG-197 Technical Reporting or 200-level ENG or SPEECH	3	ENGLISH 206
PSYCH-199 Psychology of Human Relations or 200-level PSYCH	3	PSYCH XS (Psychology elective/social science GER)
SOCSCI-103 Think Critically and Creatively or 200-level SOCSCI	3	TRAN-FRE X
Total Credits	62	